

INTERNATIONAL SEARCH REPORT

International Application No
PCT/DK2005/000086

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H03F3/187 H03F3/181 H03F1/34 H04R19/01 H04R19/04
H03F1/32 H03F3/45

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H03F H04R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 160 450 A (ESCHAUZIER ET AL) 12 December 2000 (2000-12-12) column 2, line 1 - column 5, line 22; figures 2-5	1-20
Y	US 5 357 214 A (HEYL ET AL) 18 October 1994 (1994-10-18) column 2, lines 44-47; figure 1 column 2, line 58 - column 4, line 47	1-20
A	US 2003/059060 A1 (EASTTY PETER CHARLES ET AL) 27 March 2003 (2003-03-27) paragraphs '0026! - '0030!; figures 1,2	1-20
A	US 6 516 069 B1 (TAKEUCHI TAKANOBU ET AL) 4 February 2003 (2003-02-04) column 3, line 54 - column 5, line 65; figure 1	1-20
	----- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

22 June 2005

Date of mailing of the international search report

01/07/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Fedi, G

INTERNATIONAL SEARCH REPORT

International Application No
PCT/DK2005/000086

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 104 821 A (HUSUNG ET AL) 15 August 2000 (2000-08-15) column 3, lines 14-51; figure 1 -----	1-20
A	US 2003/045252 A1 (NAM SUENG-IL) 6 March 2003 (2003-03-06) paragraphs '0009! - '0014!; figure 1 -----	1-20

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/DK2005/000086

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6160450	A	12-12-2000	NONE	
US 5357214	A	18-10-1994	AT 196575 T AU 7139694 A CA 2141614 A1 DE 69425945 D1 DE 69425945 T2 EP 0653119 A1 JP 8500237 T WO 9429951 A1	15-10-2000 03-01-1995 22-12-1994 26-10-2000 26-04-2001 17-05-1995 09-01-1996 22-12-1994
US 2003059060	A1	27-03-2003	GB 2319922 A CN 1192116 A JP 10191493 A	03-06-1998 02-09-1998 21-07-1998
US 6516069	B1	04-02-2003	JP 2001238287 A DE 10049355 A1	31-08-2001 20-09-2001
US 6104821	A	15-08-2000	EP 0835041 A1	08-04-1998
US 2003045252	A1	06-03-2003	CN 1579046 A EP 1433251 A2 WO 03020546 A1 JP 2005502237 T	09-02-2005 30-06-2004 13-03-2003 20-01-2005